

Joshua Meier

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EDUCATION

Carleton College | Northfield, MN

Expected Graduation June 2025

- *Bachelor of Arts* in Computer Science

GPA: 3.79

Relevant Coursework: Advanced Software Design, Programming Languages, Software Design, Computer Systems, Algorithms, Human Computer Interaction, Data Structures, Math of CS, Linear Algebra, Data Science, Calculus II

EXPERIENCE

Software Engineer Extern | Lytup Power Systems Inc. | Ontario, Canada (Remote)

December 2024

- Facilitated the mobile app's migration to the latest React Native version with Expo to reduce load time by 30%
- Led the conversion of the app to Typescript for more reliable front-end development and to reduce runtime errors in testing by 40% while using industry best practices in abstraction and reusable custom components
- Converted Figma designs into animated and accessible pages that give a flowing and intuitive user experience
- Implemented user authentication and other backend requests with Axios while utilizing Postman for API testing

Mobile App Developer | Project Friendship, Carleton College | [Github](#) | Northfield, MN

September 2023 – Present

- Developing an iOS/Android app to facilitate mentor-mentee connections for 150+ local pairings in collaboration with a senior software engineer and two other developers using React Native through Expo and Express.js
- Spearheaded the migration of our app from AWS EC2 to AWS Amplify to allow for a full CI/CD pipeline resulting in efficient code reviews, quicker deployments and reduced the number of bugs in production
- Integrated ESLint and configured it to standardize our team's coding standards, speeding up the revising process
- Used Git for version control and Github flow to keep track of feature branches and pull requests

Undergraduate Researcher | Dept. of Computer Science, Carleton College | Northfield, MN

June 2024 – August 2024

- Investigated moderation and dispute resolution on Wikipedia by analyzing its Arbitration committee's cases
- Collected data on 854 cases with the MediaWiki API and used regex to extract case outcomes and user activity
- Collaborated with my research partner and adviser to write a paper that will be sent in for review later this year

Ingham Program Director | Ingham Okoboji Lutheran Bible Camps | Wahpeton, IA

June 2023 – August 2023

- Led 15 summer staff and 100+ campers through 6 weeks of sleep-away youth camp
- Conducted daily meetings, dealt with behavioral and mental health issues, and prepared plans for all activities

PROJECTS

Online Battleship Game | [Github](#) | Python, React, Django, Docker | CS 347, Adv Software Design

March – June 2024

- Developed a full stack Battleship game with a team of 5 other students that allows play versus 3 computer player difficulties or other registered players through a secure account creation and login system
- Added game logic functions used throughout the project and wrote 3 levels of computer player attack methods
- Connected the computer player to the webserver with threading and websockets for real-time communication
- Configured Docker containers to build an image for each component properly and to remove duplicated code

Crime Data Explorer | [Github](#) | Python, HTML/CSS, JS, Flask, PSQL | CS 257, Software Design

March – June 2023

- Engineered a full stack website to visualize 2021 US crime stats for all 50 US states and 6000 cities as a team of 3

SKILLS & TECHNOLOGIES

Languages: Python, C, JavaScript, Typescript, Java, SQL, HTML, CSS, R

Frameworks: React Native w/ Expo, AWS Amplify, React, Django, Flask, Express.js

Tools/Technologies: Docker, PostgreSQL, MySQL, Postman, Jupyter Notebook, Git, Github, VS Code, Android Studio

ACTIVITIES

Div. III XC and Track | Cross Country and Track Captain | Carleton College

September 2021 – Present

Carleton Singing Knights Acappella Group | President | Carleton College

September 2021 – Present